Claims

- 1. A control valve comprising a movable flap (15) for a controlled closing or opening of a fluid passage (9, 3), wherein in the closed state the upstream side of said flap (15) extends in a plane being inclined to the extension direction of the passage (9, 3).
- 2. A control valve according to claim 1, wherein said flap (15) is pivotally movable about an axis (19) located near the upstream end of the flap.
- 3. A control valve according to claim 1 or 2, wherein said flap (15) extends substantially in a plane separating said passage (9, 3) in an inlet part (9, 7) and an outlet part (3, 5) being coupled to each other.
- 4. A control valve according to claim 3, wherein said flap (15) is supported on the outlet part (3, 5) of the fluid passage to close an opening of the outlet part which faces the inlet part (9, 7) of the fluid passage.
- 5. A control valve according to claim 3, wherein said flap is supported on the inlet part of the fluid passage to close an opening of the inlet part which faces the outlet part of the fluid passage.
- 6. A turbine housing (2) of a turbocharger being formed as a volute having an inlet part (3) with an opening and comprising a valve (11) according to claim 1 or 2 for closing said opening by the movable flap (15) of said valve, wherein the opening and the flap in its closed state extend substantially in a plane being inclined to the axis of said volute.

- 7. A turbocharger comprising a turbine housing according to claim 6.
- 8. A turbocharger boosting system comprising at least one passage provided with a valve according to one of claims 1 to 5 and/or a turbocharger according to claim 7.
- 9. A control valve according to claim 1, wherein said flap (215) is formed as a bending plate with the upstream end (215a) thereof being fixedly positioned for resiliently opening/closing the fluid passage (209) at its merging point into another fluid passage (203).
- 10. A control valve according to claim 9, wherein said another fluid passage (203) comprises a varying cross section at said merging point.
- 11. A control valve according to claim 10, wherein said varying cross section increases in downstream direction of said another fluid passage (203).
- 12. A control valve according to one of claims 10 or 11, wherein said varying cross section is formed by a detachable wall portion (225) of said another fluid passage (203) facing said flap (215).
- 13. A control valve according to one of claims 9 to 12, wherein said passages (203, 209) are formed in one single block member (227).
- 14. A compressor housing of a turbocharger comprising a control valve according to one of claims 9 to 13.
- 15. A turbocharger comprising a compressor housing according to claim 14.

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New claims 1 to 7

- 1. A control valve comprising a movable flap (15) for a

 10 controlled closing or opening of a fluid passage (9, 3),
 wherein in the closed state the upstream side of said flap
 (15) extends in a plane being inclined to the extension
 direction of the passage (9, 3), characterized in that said
 flap (15) extends substantially in a plane separating said
 15 passage (9, 3) in an inlet part (9, 7) and an outlet part
 (3, 5) being coupled to each other.
- A control valve according to claim 1, wherein said flap
 (15) is pivotally movable about an axis (19) located near
 the upstream end of the flap.
 - 3. A control valve according to claim 1, wherein said flap (15) is supported on the outlet part (3, 5) of the fluid passage to close an opening of the outlet part which faces the inlet part (9, 7) of the fluid passage.
 - 4. A control valve according to claim 1, wherein said flap is supported on the inlet part of the fluid passage to close an opening of the inlet part which faces the outlet part of the fluid passage.
 - 5. A turbine housing (2) of a turbocharger being formed as a volute having an opening defined by a flange member (5), and comprising a valve (11) with a movable flap (15) for closing said opening by the movable flap (15), wherein the

opening and the flap in its closed state extend substantially in a plane being inclined to the axis of said volute.

- 5 6. A turbocharger comprising a turbine housing according to claim 5.
- A turbocharger boosting system comprising at least one passage provided with a valve according to one of claims 1
 to 4 and/or a turbocharger according to claim 6.